

Claim Amendments

Claims 1-67 (Previously canceled)

Claim 68 (Currently Amended): A system including a wearable apparatus for on-site testing and diagnostic analysis of a device, the system comprising:

a computer for storing and processing data;

a data acquisition device [collection instrument] adapted to communicate [, in communication] with the computer, wherein said data acquisition device is connected to the device to collect [for collecting] Property Data [of the device] and to provide the collected [providing the] Property Data to the computer for onsite testing and diagnostic analysis of the device;

a first camera, in communication with the computer, for collecting image data of the device and providing the image data to the computer;

a display, in communication with the computer, for displaying visual data from the computer;

a microphone, in communication with the computer, for providing first audio data to the computer;

a speaker, in communication with the computer, for providing second audio data from the computer to a user of the wearable apparatus;

a power source, in communication with the wearable apparatus, for providing a source of power to the wearable apparatus; and

a harness, adapted to support at least the computer, the harness being adapted to be worn on a body of the user as a part of the wearable apparatus;

wherein the computer is adapted to provide testing and diagnostic capability to the user based on [information] the collected Property Data [collected about the device].

Claim 69 (Previously withdrawn): The system of claim 68, further comprising:

a remote expert location, in wireless communication with the computer, enabling real-time collaboration between the user of the wearable apparatus and a remote expert who can advise the user regarding the on-site testing or diagnostic analysis of the device.

Claim 70 (Previously withdrawn): The system of claim 68, further comprising:

a remote expert location, in wireless communication with the computer, enabling real-time collaboration between the user of the wearable apparatus and a remote expert who can advise the user regarding the on-site testing or diagnostic analysis of the device;

wherein the system is enabled for an exchange of real time streaming video, allowing the remote expert to advise the user while the user is at a location of the device.

Claim 71 (Previously withdrawn): The system of claim 68, further comprising:

a remote expert location, in wireless communication with the computer, enabling real-time collaboration between the user of the wearable apparatus and a remote expert who can advise the user regarding the on-site testing or diagnostic analysis of the device;

wherein the system is enabled for annotation of images by the remote expert or user, thereby facilitating the on-site testing or diagnostic analysis of the device.

Claim 72 (Previously withdrawn): The system of claim 68, wherein the computer is adapted to run software enabling the computer to emulate at least one of a digital multi-meter, oscilloscope, signal analyzer, waveform generator, function generator, counter, timer logic analyzer, waveform editor, device calibrator and data logger.

Claim 73 (Currently Amended): The system of claim 68, wherein the data acquisition device [collection instrument] includes an electrical probe connected to at least one FLA.

Claim 74 (Previously presented): The system of claim 73, wherein the electrical probe includes positive and negative test leads.

Claim 75 (Currently Amended): The system of claim 68, wherein the data acquisition device [collection instrument] includes a data collection unit, in wireless communication with the data acquisition device [collection instrument] for receiving the Property Data of the device from the data acquisition device [collection instrument] and transmitting other data to the data acquisition device [collection instrument].

Claim 76 (Previously presented): The system of claim 68, wherein the image data includes one of real time video and a detailed snapshot.

Claim 77 (Previously presented): The system of claim 68, further comprising:
a second camera, in communication with the computer, for collecting image data of the device and providing the image data to the computer;

wherein the first camera is an inspection camera and the second camera is an infrared camera.

Claim 78 (Previously withdrawn): The system of claim 68, wherein the computer includes a graphical user interface for use by the user.

Claim 79 (Previously withdrawn): The system of claim 68, wherein the computer is enabled for a whiteboarding feature.

Claim 80 (Previously withdrawn): The system of claim 68, wherein the display includes a thin film transistor touch sensitive display surface.

Claim 81 (Previously withdrawn): The system of claim 68, wherein the testing and diagnostic capability provided to the user is further based on information from a remote expert.

Claim 82 (Currently Amended): An apparatus for use by a technician to facilitate at least one of testing and diagnosing the condition of a device, comprising:

a computer adapted to store and to process data and adapted to be worn on a user's body;

a data acquisition device [collection instrument] in communication with the computer, wherein the data acquisition device connects to the device to collect [for obtaining] Property Data describing at least one property of the device for testing and diagnosing the condition of the device;

a first camera in communication with the computer and adapted to obtain first imagery relevant to the device;

a second camera in communication with the computer and adapted to obtain second imagery relevant to the device;

a microphone in communication with the computer;

a speaker in communication with the computer;

a display unit in communication with the computer; and

a battery adapted to provide power to at least one of the display unit and the computer.